

Release notes for ENDF/B Development g-053.L127
evaluation

ENDF
B-VII.dev

December 2, 2016

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5325, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5325, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      32 TO      35
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5325, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5325, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      32
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5325, MF= 3, MT= 5 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5325, MF= 3, MT= 5
SECTION 3/ 5 NOT IN DIRECTORY      RECORD NUMBER      37
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5325, MF= 6, MT= 5 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5325, MF= 6, MT= 5
SECTION 6/ 5 NOT IN DIRECTORY      RECORD NUMBER      66
```

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: sumOfRemainingOutputChannels / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2.1831e6 eV!
```

2. Found a negative probability
reaction label 0: sumOfRemainingOutputChannels / Product: gamma / Distribution: / uncorrelated - energy - XYs2d: (Error # 0): Negative prob.

```
WARNING: Negative probabilities encountered. Incident energy: 1.3e8 eV, worst case: -5.03132e-15
```